

Band Pass Filter - 1550nm, 5nm

Features

Low Insertion Loss
Wide Stop Band
High Isolation
High Stability and Reliability

Applications

ASE Laser
Quantum Computer
EDFA
Gas Sensing



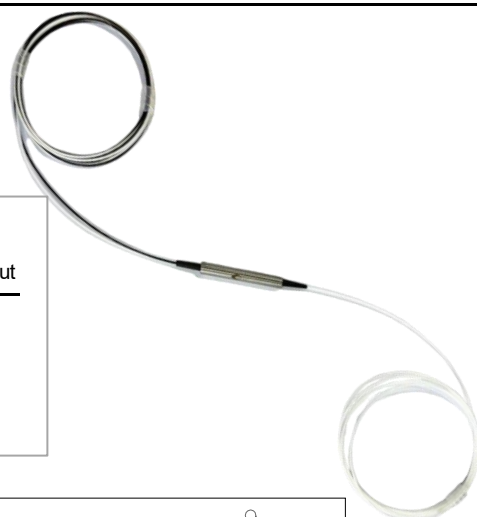
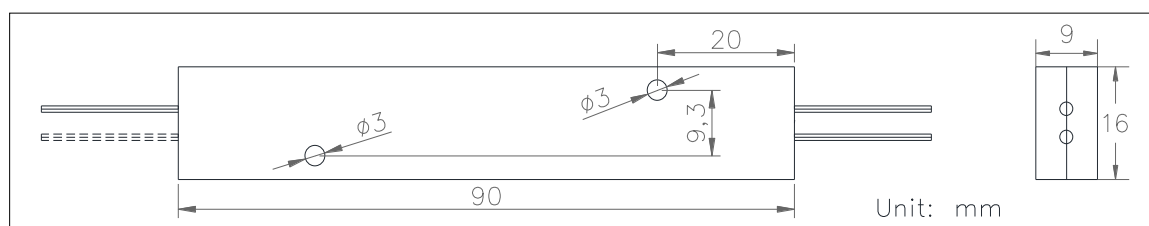
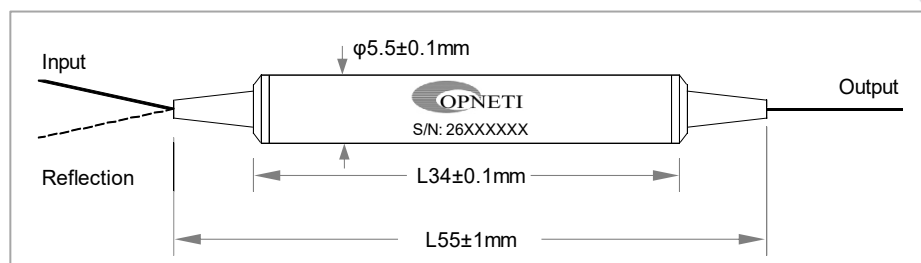
Specifications

Parameters	Unit	Values
Operation Wavelength Range	nm	1500~1600
Center Wavelength	nm	1550
Passband Width (at 1dB)	nm	5
1dB Pass Wavelength Range	nm	1547.5 ~ 1552.5
Pass Wavelength Range tolerance	nm	±0.2
Reflection Wavelength Range	nm	1500~1546 & 1554~1600
Passband Insertion Loss	dB	≤0.9
Reflection Band Insertion Loss	dB	≤0.6
Passband Isolation	dB	≥30
Reflection Band Isolation	dB	≥20
PDL (for SMF-28e fiber)	dB	≤0.15
PER (for PM1550 fiber)	dB	≥20
Return Loss	dB	≥50
Max Power Handling (CW)	W	0.5, 1, 5, 10
Fiber Type		PM1550
Operating Temperature	°C	-0 ~ +70
Storage Temperature	°C	-40 ~ +85
Dimensions	mm	φ5.5×L34, 90x16x9

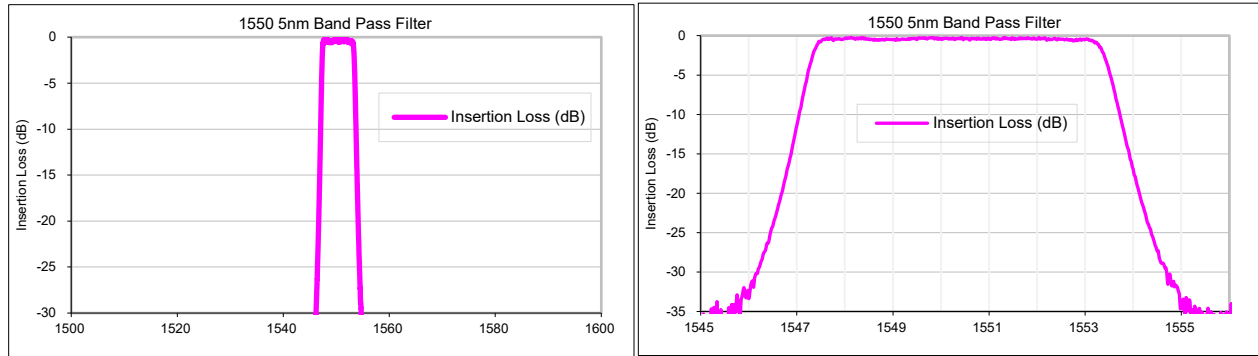
* For devices with connectors, IL+0.3dB, PER-2dB, RL-5dB,

* Power handling can be higher on request.

Package Dimensions



Typical Spectrum



Ordering Information

BPF- ①①①-②②②②-③-④④④-⑤-⑥-⑦⑦-⑧⑧⑧⑧

①	Port Type	1x1; 1x2;
②	Pass Wavelength	1550;
③	Pass Band Width	5=5nm;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	1=SMF-28e; P15=PM1550;
⑥	Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑧	Optical Power	0.5W; 1W; 2W; 5W; 10W;